

| <b>APPLICANT'S ART CITATION</b><br><br>(Use several sheets if necessary)  |   |   |   |   |   |   |   | Application 09/370,659   |         |       |           | OFGS File No. P/16-223     |    |  |  |                     |  |  |  |
|---|---|---|---|---|---|---|---|--------------------------|---------|-------|-----------|----------------------------|----|--|--|---------------------|--|--|--|
|   |   |   |   |   |   |   |   | Applicant HIGUMA, et al. |         |       |           |                            |    |  |  |                     |  |  |  |
|   |   |   |   |   |   |   |   | Filing Date 8/6/99       |         |       |           |                            |    |  |  | Group Art Unit 3739 |  |  |  |
| U.S. PATENT DOCUMENTS   |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
| Examiner Initials   | Document Number   |   |   |   |   |   |   | Date                     | Name    | Class | Sub-class | Filing Date If Appropriate |    |  |  |                     |  |  |  |
| jm  | 4   | 8 | 7 | 8 | 4 | 8 | 4 | 11/1989                  | MIYAGI  | 1     | 1         |                            |    |  |  |                     |  |  |  |
| jm  | 4   | 5 | 4 | 5 | 3 | 6 | 9 | 10/1985                  | SATO    | 1     | 1         |                            |    |  |  |                     |  |  |  |
| jm  | 5   | 3 | 4 | 9 | 1 | 3 | 7 | 9/1994                   | CEDRONE | 1     | 1         |                            |    |  |  |                     |  |  |  |
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|   |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
| FOREIGN PATENT DOCUMENTS  |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
|   | Document Number   |   |   |   |   |   |   | Date                     | Country | Class | Sub-class | Translation                |    |  |  |                     |  |  |  |
|   |   |   |   |   |   |   |   |                          |         |       |           | Yes                        | No |  |  |                     |  |  |  |
| ji  | 0   | 8 | 4 | 2 | 6 | 3 | 3 | 5/1998                   | EUROPE  | 1     | 1         |                            | X  |  |  |                     |  |  |  |
|   |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
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|   |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
|   |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)  |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
| jm  | European Search Report (in English) issued 11/29/99 in a related application. |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
|   |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |
| Examiner <b>JOHN MULCAHY</b><br><b>PRIMARY EXAMINER</b>   |   |   |   |   |   |   |   | Date Considered 5/18/00  |         |       |           |                            |    |  |  |                     |  |  |  |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. |   |   |   |   |   |   |   |                          |         |       |           |                            |    |  |  |                     |  |  |  |

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| <b>APPLICANT'S ART CITATION</b><br>(Use several sheets if necessary)  |                 |    |   |   |   |   |   | Application <b>09/370,659</b>   |         |       |           | OFGS File No. <b>P/16-223</b> |    |  |  |
|   |                 |    |   |   |   |   |   | Applicant <b>HIGUMA, et al.</b> |         |       |           |                               |    |  |  |
|   |                 |    |   |   |   |   |   | Filing Date <b>8/6/99</b>       |         |       |           | Group Art Unit <b>3739</b>    |    |  |  |
| <b>U.S. PATENT DOCUMENTS</b>  |                 |    |   |   |   |   |   |                                 |         |       |           |                               |    |  |  |
| Examiner Initials   | Document Number |    |   |   |   |   |   | Date                            | Name    | Class | Sub-class | Filing Date If Appropriate    |    |  |  |
|   |                 |    |   |   |   |   |   |                                 |         |       |           |                               |    |  |  |
| <b>FOREIGN PATENT DOCUMENTS</b>   |                 |    |   |   |   |   |   |                                 |         |       |           |                               |    |  |  |
|   | Document Number |    |   |   |   |   |   | Date                            | Country | Class | Sub-class | Translation                   |    |  |  |
|   |                 |    |   |   |   |   |   |                                 |         |       |           | Yes                           | No |  |  |
|   | 1-              | 1  | 2 | 8 | 0 | 2 |   | 4/1989                          | JAPAN   |       |           | Abst                          |    |  |  |
|   | 4-              | 6  | 7 | 4 | 4 | 5 |   | 10/1992                         | JAPAN   |       |           | Abst                          |    |  |  |
|   | 62              | -2 | 1 | 2 | 6 | 1 | 4 | 9/1987                          | JAPAN   |       |           | Abst                          |    |  |  |
|   | 63              | -3 | 1 | 5 | 0 | 2 | 4 | 12/1988                         | JAPAN   |       |           | Abst                          |    |  |  |
|   | 9-              | 2  | 6 | 5 | 0 | 4 | 7 | 10/1997                         | JAPAN   |       |           | Abst                          |    |  |  |
|   | 7-              | 5  | 1 | 2 | 2 | 3 |   | 2/1995                          | JAPAN   |       |           | Abst                          |    |  |  |
|   | 59              | -1 | 2 | 9 | 0 | 5 | 0 | 7/1984                          | JAPAN   |       |           | Abst                          |    |  |  |
|   | 58              | -9 | 0 | 6 | 0 | 5 |   | 5/1983                          | JAPAN   |       |           | Abst                          |    |  |  |
|   | 5-              | 2  | 6 | 9 | 0 | 8 | 1 | 10/1993                         | JAPAN   |       |           | Abst                          |    |  |  |
|   | 6-              | 2  | 0 | 9 | 8 | 9 | 8 | 8/1994                          | JAPAN   |       |           | Abst                          |    |  |  |
|   | 9-              | 2  | 6 | 5 | 0 | 4 | 6 | 10/1997                         | JAPAN   |       |           | Abst                          |    |  |  |
|   | 60              | -1 | 0 | 7 | 8 | 1 | 9 | 7/1985                          | JAPAN   |       |           | Abst                          |    |  |  |
| <b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>   |                 |    |   |   |   |   |   |                                 |         |       |           |                               |    |  |  |
|   |                 |    |   |   |   |   |   |                                 |         |       |           |                               |    |  |  |
|   |                 |    |   |   |   |   |   |                                 |         |       |           |                               |    |  |  |
| <b>JOHN MULCAHY</b><br><b>PRIMARY EXAMINER</b>  |                 |    |   |   |   |   |   | Date Considered <b>6/18/01</b>  |         |       |           |                               |    |  |  |
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